



SCLSIS Functional Index Number (FIN) & FAST

9 December
2003



Briefing Purpose

- Why FIN
- What is FIN
- Interface with FAST

Why FIN

- FIN is about Material Condition Data in SCLSIS
 - Supports CNO tasking for single material condition database
 - Usable material condition data
 - SEA 04 tasking to standardize HSC
 - Material Condition Metrics
 - SMC Model, Ship Material Condition Model
 - Ship's readiness by warfare area based on Material Condition
 - HSC has not been sufficient
- FIN combines above efforts

SCLSIS Type VI Record

- Type VI Record in CDMD-OA is the Material Condition Data Record
- FIN is the Record identifier
- Data in the Type VI Record links to the Type II Configuration Record

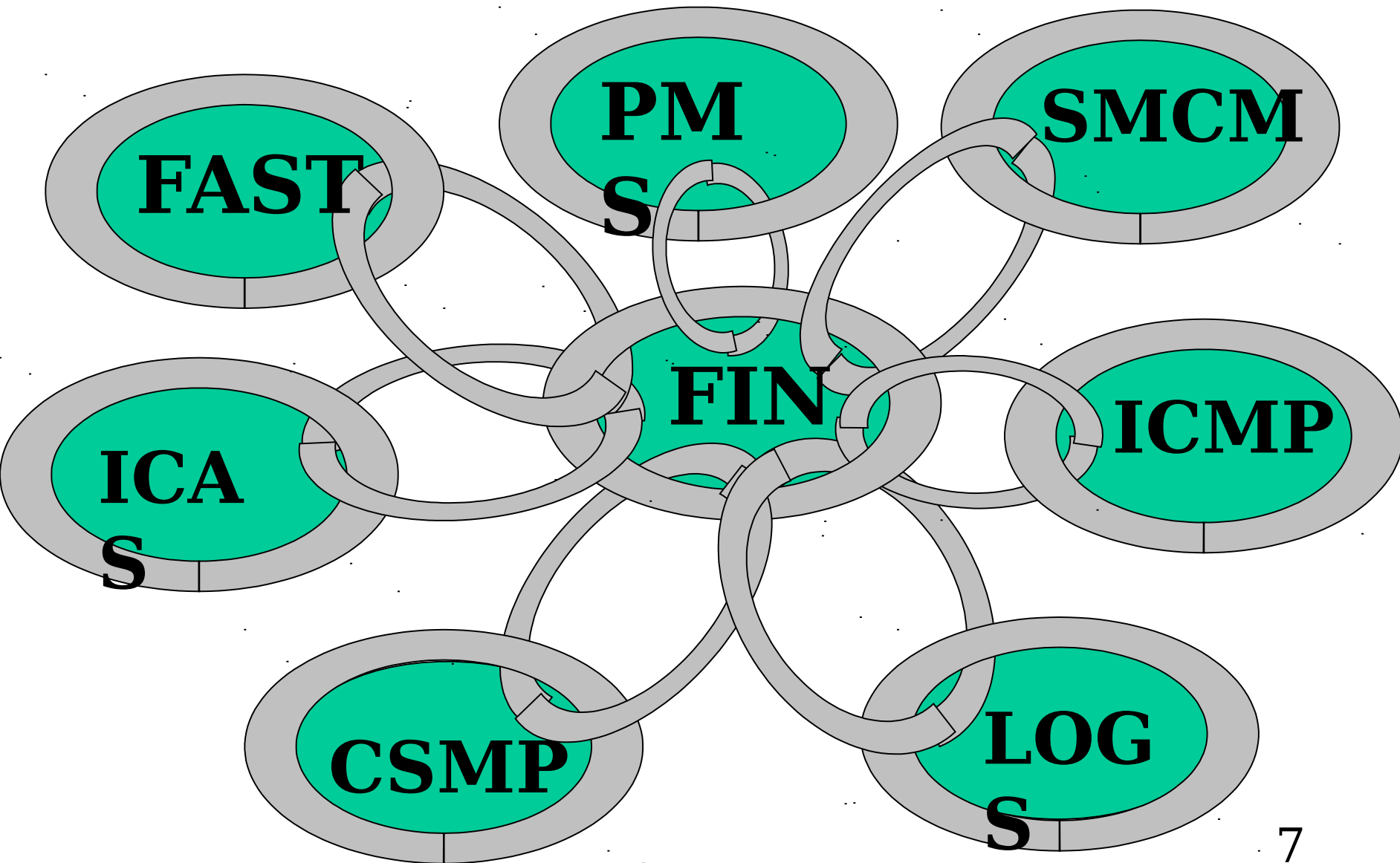
SCLISIS Type VI Record

- Section 1: Record Identifier
 - FIN establishment
- Section 2: Material Condition Criteria
 - Standards to measure against
 - » Parameters, their values and EOC values
 - » Acceptable limits, repair trigger set points.....
 - » Weighting factors and criticalities (SMC model)
- Section 3: Material Condition History
 - Material Condition Data and EOC values time stamped
 - FTSC assessments, PMS, 2 Kilos, ICAS
 - Data to retrieve and use
- Section 4: Links
 - Ship class / hull numbers
 - Assessment procedures, PMS, Tech. Manuals, EOSS.....
 - Associated equipment

What is FIN

- Functional Index Number, FIN
- Uniquely identify every shipboard item by function
- Identifies same item across ship classes
 - With the exception of location, FIN is the same
- Similar to HSC but standard Navy wide
 - Simplifies retrieving data across ship classes
- Three parts
 - Standard configuration codes/part by hierarchal number/location

Maintenance Information Link



FIN Responsibility

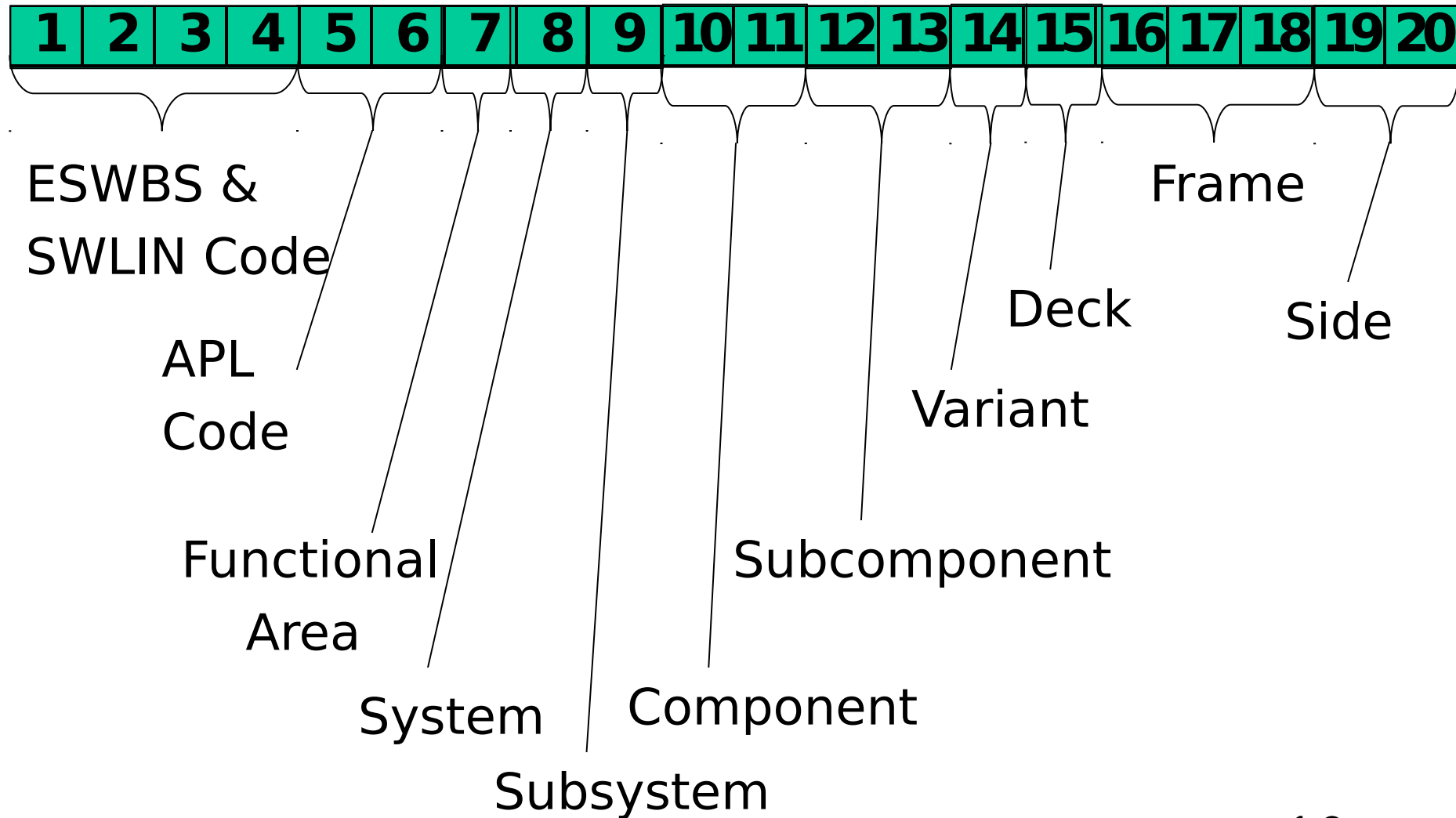
- WTH – Warranted Technical Holder
 - responsible for equipment/system
 - Includes configuration and maintenance Records → Type VI Record, FIN
- Delegated authority to input/maintain Records
 - To EAM, Engineering Area Manager
 - To CE, Cognizant Engineer / ISEA
- Internet tool on NAVSEA 04M Web site
 - Interim tool to input and maintain
 - Move to CDMD-OA Type VI Record
 - (now in testing)

FIN Concept

- Standard Functional Index Number (FIN) that identifies:
 - Digits 1-4 System SWLIN
 - Digits 5 and 6 Common Configuration Item, (APL Code)
 - Digit 7 function
 - Digit 8 specific System
 - Digit 9 specific subsystem
 - Digits 10 & 11 specific component
 - Digits 12 & 13 specific subcomponents
 - Digit 14 specific variant
 - Digits 15-20 location using deck, frame and centerline relationship
- For levels 10 & 11 and 12-13, HEXDECIMAL notation allows the capture of up to 4,096 individual occurrences

Functional Index Number FIN

20 Digits



Functional Index Number FIN

Positions

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|

ESWBS & SWLIN
Code

| | | | |
|--------------|-------------------------------|------------|----------|
| 53300 | POTABLE WATER | 533 | Z |
| 53310 | WATER, POTABLE SERVICE | 533 | A |
| 53320 | DISTILLED WATER SERVICE | 533 | B |

Common Configuration Item **01 - Pumps** Subcomponent **Impeller**

Functional Area **A = AUX**

Variant **No Variant**

System **Potable Water**

Deck **2nd Deck**

Subsystem **PUMPS**

Frame **35th Frame**

Component **NO 1 - Pump Liquid End** Side **1st to Starboard**

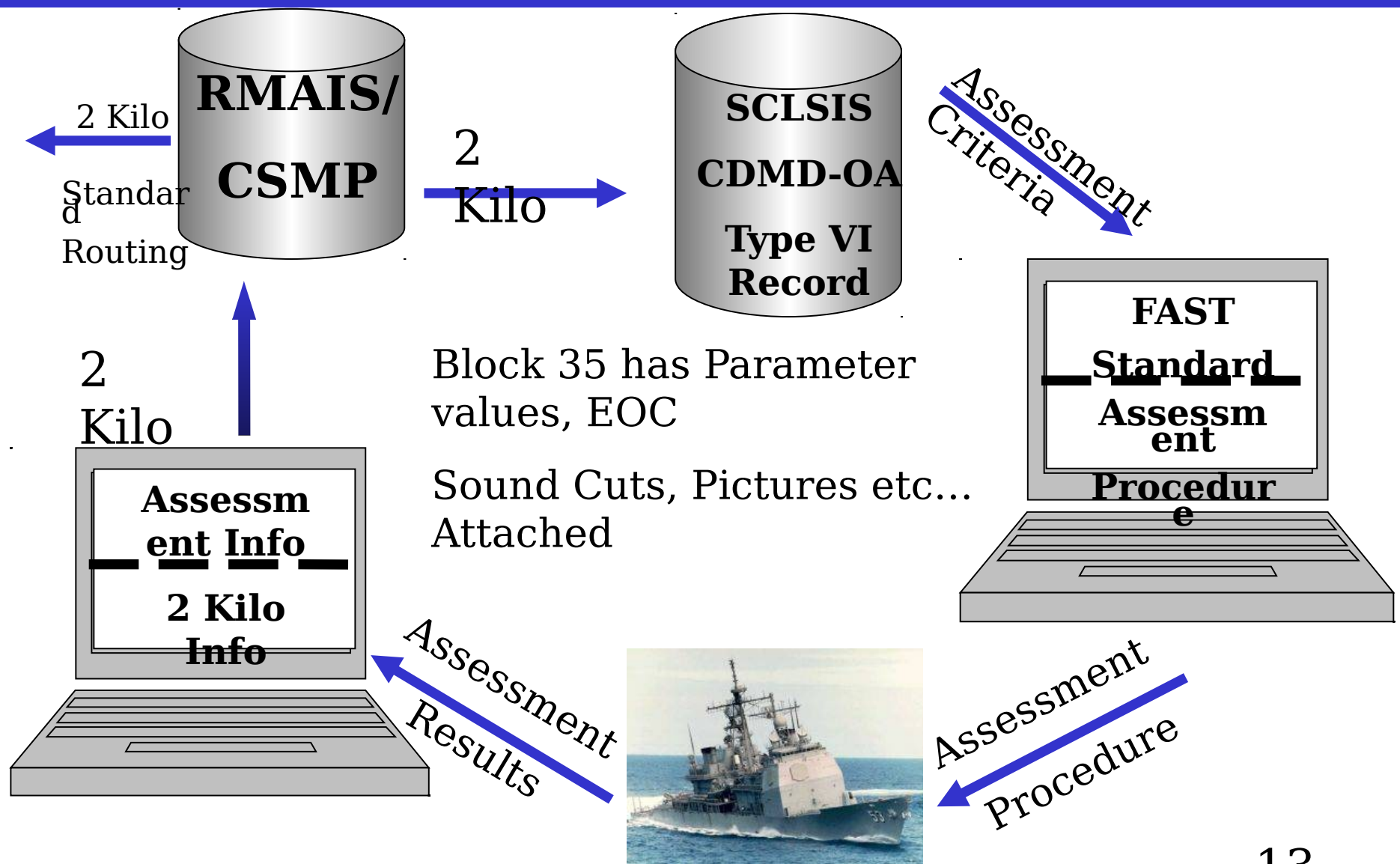
| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 3 | 3 | A | 0 | 1 | A | 6 | 5 | 1 | 1 | 0 | 4 | 0 | 2 | 0 | 3 | 5 | 0 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Values

Interface with FAST

- Standard Assessment Procedures
 - Common procedure PMS format
 - Links to Type VI Record
- Standard Assessment Criteria
 - Standard is stored in Type VI Record
 - Down load to FAST assessment procedure
 - Technical Authority Control
- Historical Material Condition Data
 - What was the condition during the assessment
 - Parameter values and EOC up load via 2K

Data Flow Type VI Record and FAST

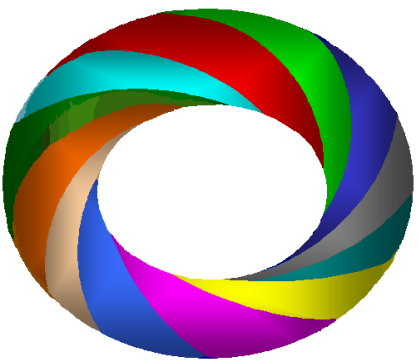


FAST – FIN Interface

- Standard Assessment Procedure
 - Embedded XML Links to:
 - FIN
 - Assessment Criteria
 - Several / Many per procedure
- FAST generated 2 Kilo
 - Standard Info in Block 35
 - First line info on who & why generated
 - Parameter and EOC data behind special character string after the standard statements
 - Standardize with 2K generated from PMS



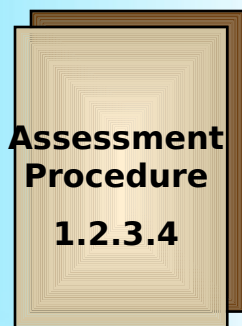
Additional SMC Model



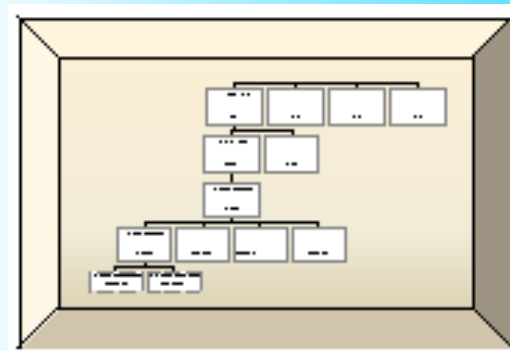
Ship Material Condition Model

Assessment
Procedure

PMS, 2K, ICAS, FAST.....



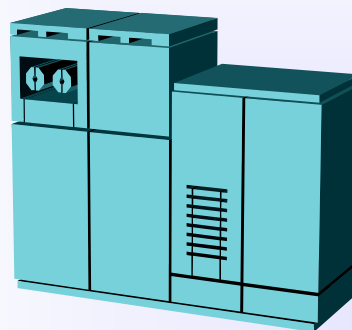
Numeric
Algorithm



Metrics By
Mission Area

| ASU | C2W | CCC | FSO | INT | LOG | MIW | MOB | MOS | |
|------|------|------|------|------|------|------|------|------|------|
| NCO0 | 1.00 | 0.75 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 1.00 | 0.00 |

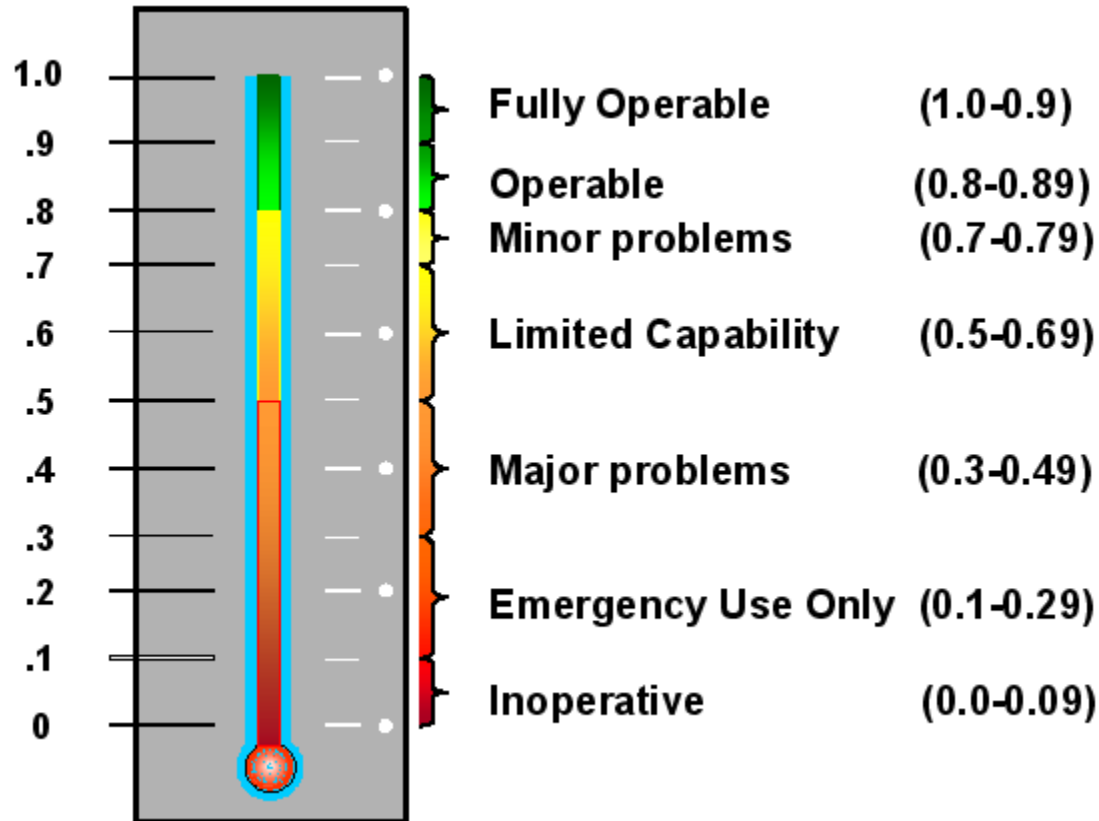
Data
Depository



MCM Model Prototype

- Model Structure:
 - Hierarchical Structure
 - On board equipment structured to
 - Systems
 - Functional Areas
 - Mission Areas
 - Weight Factors 1 - 99
 - Relative importance of equipment, component or system to it's parent In a Diesel engine a piston is more important than an air filter.
 - Criticality Factors 0.00 – 1.00
 - Criticality of equipment, component or system to the proper functioning of it's parent. The engine can function without the air filter but functions extremely poorly with a bad piston.

Equipment Operational Capability (EOC)



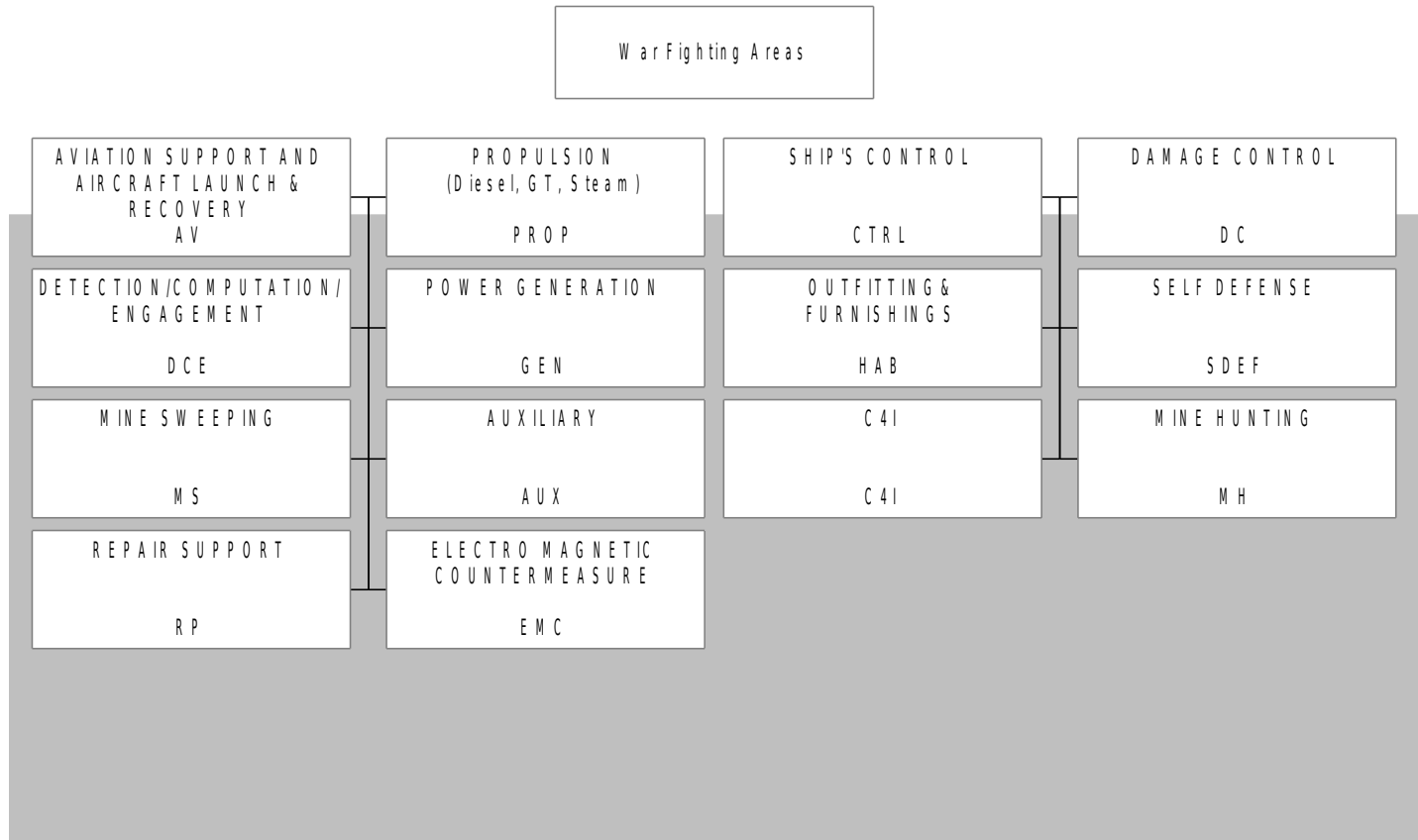
EOC = A dimensionless numeric value. EOC is determined by a measured objective evidence of a ship component or system compared to a standard such as a design criteria or normal operating parameters. Measured objective evidence is obtained using Scripted Standardized Assessment Procedure.

Weighting Factor

- A number value from 1 to 99 which indicates the relative importance of one configuration item to another
- A ranking of the children, at the same level of indenture with the same parent to one another
 - Scaling allows for granularity of importance over straight ranking
 - Allows configuration items to be equally important
- A number selected for each parent/ child which provides the desired impact on it's parent as the configuration item degrades

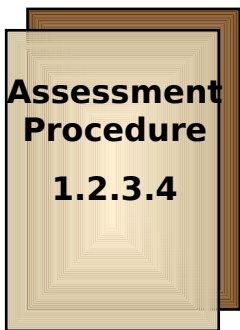


Standardized Functional Areas

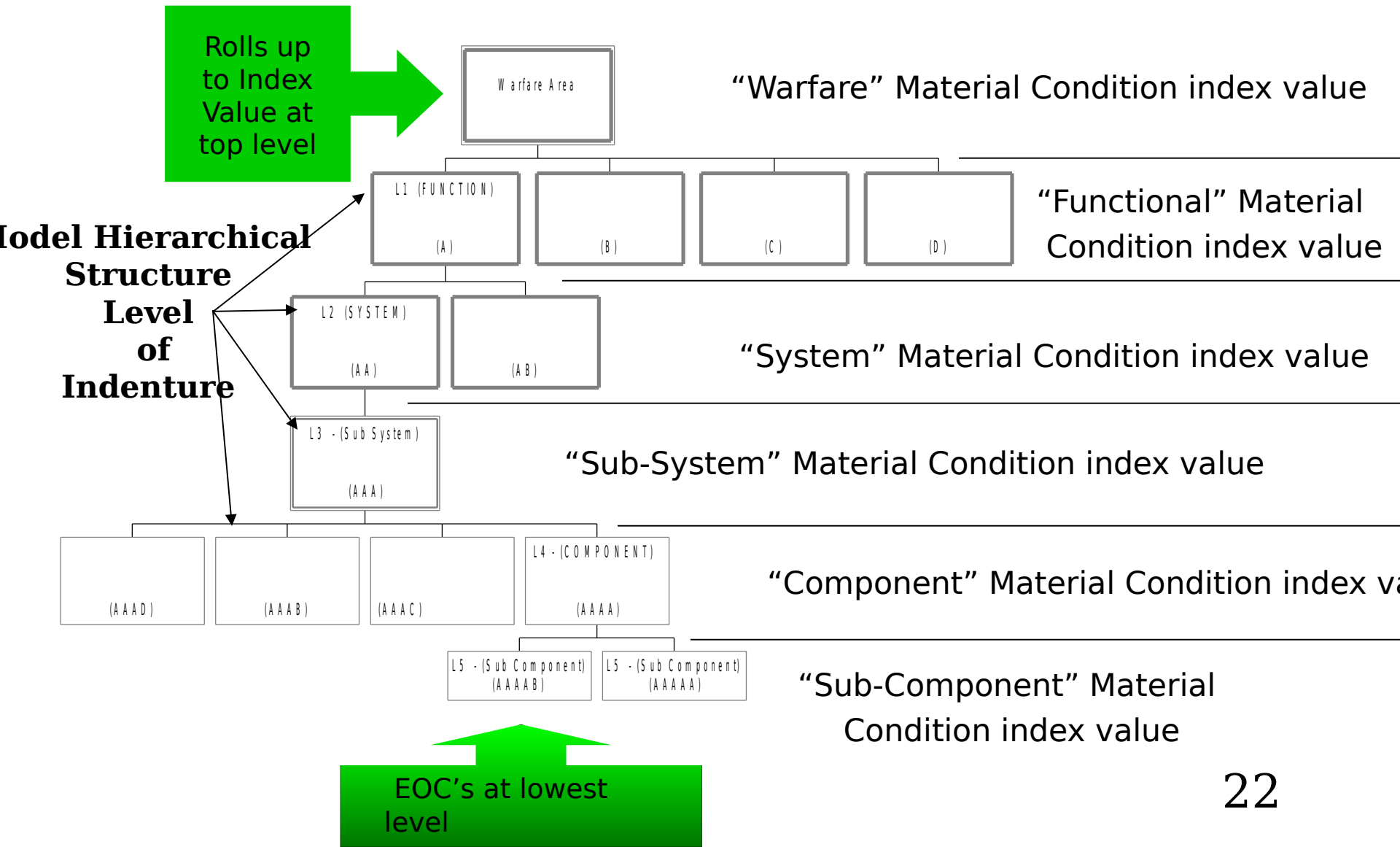


Scripted Standard Assessment Procedure (SSAP)

- Scripted, standardized procedure containing:
 - Reference Section
 - References, support equipment and material, configuration, procedures, etc.
 - Data Elements
 - Initial equipment status, problem description, equipment operational capability, recommended corrective action, parts required, status, technician / activity, root cause, etc.
 - Assessment Process
 - Step by step procedure where by measurement is accomplished to obtain objective evidence.
 - EOC Generation
 - Convert “Objective Evidence” to an EOC Value.



Convention for Material Condition Metrics





MCM Model Prototype

- Prototype Phase I Warfighting Report (Ashore) **Currently In Use**
 - CASREPs feeding the MCM Model.
 - Results posted in TRMS.
- Prototype Phase II Paperless Logs (Shipboard) **Desktop Tested**
 - ICAS, CSMP & SCHED 3.0 feeding the MCM Model.
 - Local reports.
- Prototype Phase III Availability Planning Tool **Demo**
- Prototype Phase IV Real Time Material Condition Display (Ashore)
 - Shipboard system feeding the MCM Model display.
 - Either CSMP feed or shipboard MCM Model feed
 - Local reports

MCM Model Prototype Phase I Warfighting Report (Ashore)

Currently In Use

- Equipment linked to their Missions Areas
 - Assigned Weight Factors and Criticality Factors
 - System Equipment can impact many Mission Areas
- Input to Model is EOC values obtained from
 - CASREPs (currently) are the data input
 - CASREP to a system implies non-operation
 - Standardized Assessments, PMS, ICAS, CSMP or 2Kilos
- Algorithm calculates impact to the Mission Area (Roll-up)
- Availability Planning Tool (Demo)

Phase I - Warfighting Report

Mission Area Rollup Homepage - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Mail

Address http://ulpr.corona.navy.smil.mil/rollup/index.cfm

Go Links

MATERIAL READINESS ASSESSMENT

Naval Surface Warfare Center
Corona Division

MCM MISSION AREA MODEL WEBSITE

[Purpose](#) | [FAQ](#) | [The Model](#)

** Column Headings link to Ship Level Data, Cells link to Warfare Area Data*

| | MCM 1 | MCM 2 | MCM 3 | MCM 4 | MCM 5 | MCM 6 | MCM 7 | MCM 8 | MCM 9 | MCM 10 | MCM 11 | MCM 12 | MCM 13 | MCM 14 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| ASU | 0.62 | 0.62 | 0.91 | 0.95 | 1.00 | 0.83 | 0.92 | 0.86 | 0.62 | 0.75 | 0.92 | 0.72 | 0.92 | 0.86 |
| C2W | 0.92 | 0.93 | 0.92 | 1.00 | 1.00 | 0.88 | 0.98 | 0.99 | 1.00 | 0.92 | 0.98 | 0.99 | 0.98 | 0.97 |
| CCC | 0.97 | 0.96 | 0.97 | 0.84 | 0.95 | 0.94 | 0.85 | 0.98 | 0.84 | 0.97 | 0.99 | 0.82 | 0.59 | 0.84 |
| FSO | 0.45 | 0.54 | 0.91 | 1.00 | 0.96 | 0.85 | 0.92 | 0.86 | 0.61 | 0.75 | 0.91 | 0.83 | 0.92 | 0.84 |
| INT | 0.59 | 0.59 | 0.81 | 0.90 | 1.00 | 0.63 | 0.88 | 0.86 | 0.61 | 0.75 | 0.92 | 0.86 | 0.92 | 0.84 |
| LOG | 0.75 | 0.73 | 0.71 | 1.00 | 1.00 | 0.64 | 0.93 | 0.21 | 1.00 | 0.75 | 0.23 | 0.83 | 0.71 | 0.21 |
| MIW | 0.64 | 0.00 | 0.82 | 0.00 | 0.72 | 0.86 | 0.87 | 0.77 | 0.57 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 |
| MOB | 0.61 | 0.51 | 0.82 | 0.92 | 0.86 | 0.76 | 0.92 | 0.54 | 0.55 | 0.57 | 0.59 | 0.85 | 0.82 | 0.54 |
| MOS | 0.75 | 0.76 | 0.92 | 1.00 | 1.00 | 0.83 | 0.92 | 0.83 | 1.00 | 0.75 | 0.92 | 0.83 | 0.92 | 0.81 |
| NCO | 0.61 | 0.59 | 0.91 | 1.00 | 0.99 | 0.86 | 0.93 | 0.86 | 0.62 | 0.75 | 0.91 | 0.82 | 0.93 | 0.85 |



Internet

Clicking on the Header for MCM1 lists details of degraded material condition item

EOC Details - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Mail News RSS Feeds

Address <http://ulpr.corona.navy.smil.mil/rollup/casrepdetails.cfm?ship=MCM%201> Go Links

Ship: **MCM 1 (USS Avenger)** Date: **2003-02-24**

EOC By Warfare Area:

| | |
|-----|------|
| ASU | 0.62 |
| C2W | 0.92 |
| CCC | 0.97 |
| FSO | 0.45 |
| INT | 0.59 |
| LOG | 0.75 |
| MIW | 0.64 |
| MOB | 0.61 |
| MOS | 0.75 |
| NCO | 0.61 |

CASREPS:

| Mission Area | WCJSN | APL | EIC | CASREP | CASCOR |
|--------------------------|--|----------|----------|---------|--------------|
| C4I CMD-CTRL NAVIGATION | NAV SOUND SIGNAL | OA011695 | 00020710 | R51V000 | 200205062005 |
| EIC Description | RT-888A/UQN-4A, SONAR RECEIVER-TRANSMITTER | | | | |
| Problem Narrative | <p>***** Current Update (200205062005) ***** (GENERATED BY TRMS AFLOAT R5.5.0) 1.(C) NOMENCLATURE: AN/UQN-4A SONAR SOUNDING SET 2.(C) IMPACT: ABLE TO CONTINUE PRESENT MISSION. ONE OF ONE FATHOMETERS OOC. MINOR MOBILITY DEGRADATION. 3.(C) TECHNICAL DESCRIPTION: DURING PRELIGHT-OFF TEST, S/F OBSERVED POWER FAILURE OF AN/UQN-4A SONAR SOUNDING SET DUE TO BLOWN 1 AMP FUSE. UPON REPLACING FUSE AND REENERGIZING EQUIPMENT, THE FUSE BLEW AGAIN. TROUBLESHOOTING REVEALED FAULTY POWER TRANSISTOR AS WELL AS TWO 2.2 OHM RESISTORS. REPLACED THE POWER TRANSISTOR FROM PARTS ONBOARD AS WELL AS THE RESISTORS OBTAINED BY OPEN PURCHASE. S/F THEN AGAIN REPLACED THE FUSE AND REENERGIZED THE FATHOMETER RESULTING IN ANOTHER BLOWN FUSE. S/F SUSPECTS PROBLEM TO</p> | | | | |

Done Internet

Start EOC Details - Microsoft... Mission Area Rollup Model... Microsoft PowerPoint - [P...]

12:47

You can select an item and recalculate to see what the index values will be AFTER the problem has been fixed...

Recalculated Values - Microsoft Internet Explorer provided by Navy Marine Corps unclassified

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print Mail

Address http://ulpr.corona.navy.smil.mil/rollup/createtables.cfm Go Links

Ship: MCM 1 (USS Avenger)

| EOC By Warfare Area (Orig.): | | EOC By Warfare Area (Calculated): | |
|------------------------------|------|-----------------------------------|------|
| ASU | 0.62 | ASU | 0.62 |
| C2W | 0.92 | C2W | 0.92 |
| CCC | 0.97 | CCC | 0.97 |
| FSO | 0.45 | FSO | 0.46 |
| INT | 0.59 | INT | 0.59 |
| LOG | 0.75 | LOG | 0.75 |
| MIW | 0.64 | MIW | 0.64 |
| MOB | 0.61 | MOB | 0.62 |
| MOS | 0.75 | MOS | 0.75 |
| NCO | 0.61 | NCO | 0.61 |

CASREPS:

Can be used to optimize resource allocation

| Mission Area | WCJSN | APL | EIC | CASREP |
|--------------------------|---|----------|---------|--------------|
| C4I CMD-CTRL NAVIGATION | NAV SOUND SIGNAL OA011695 | 00020710 | R51V000 | 200205062005 |
| EIC Description | RT-888A/UQN-4A, SONAR RECEIVER-TRANSMITTER | | | |
| Problem Narrative | <p>***** Current Update (200205062005)***** (GENERATED BY TRMS AFLOAT R5.5.0) 1.(C) NOMENCLATURE: AN/UQN-4A SONAR SOUNDING SET 2.(C) IMPACT: ABLE TO CONTINUE PRESENT MISSION. ONE OF ONE FATHOMETERS OOC. MINOR MOBILITY DEGRADATION. 3.(C) TECHNICAL DESCRIPTION: DURING PRELIGHT-OFF TEST, S/F OBSERVED POWER FAILURE OF AN/UQN-4A SONAR SOUNDING SET DUE TO BLOWN 1 AMP FUSE. UPON REPLACING FUSE AND REENERGIZING EQUIPMENT, THE FUSE BLEW AGAIN. TROUBLESHOOTING REVEALED FAULTY POWER TRANSISTOR AS WELL AS TWO 2.2 OHM RESISTORS. REPLACED THE POWER TRANSISTOR FROM PARTS ONBOARD AS WELL AS THE RESISTORS OBTAINED BY OPEN PURCHASE. S/F THEN AGAIN REPLACED THE FUSE AND REENERGIZED THE FATHOMETER RESULTING IN ANOTHER BLOWN FUSE. S/F SUSPECTS PROBLEM TO</p> | | | |



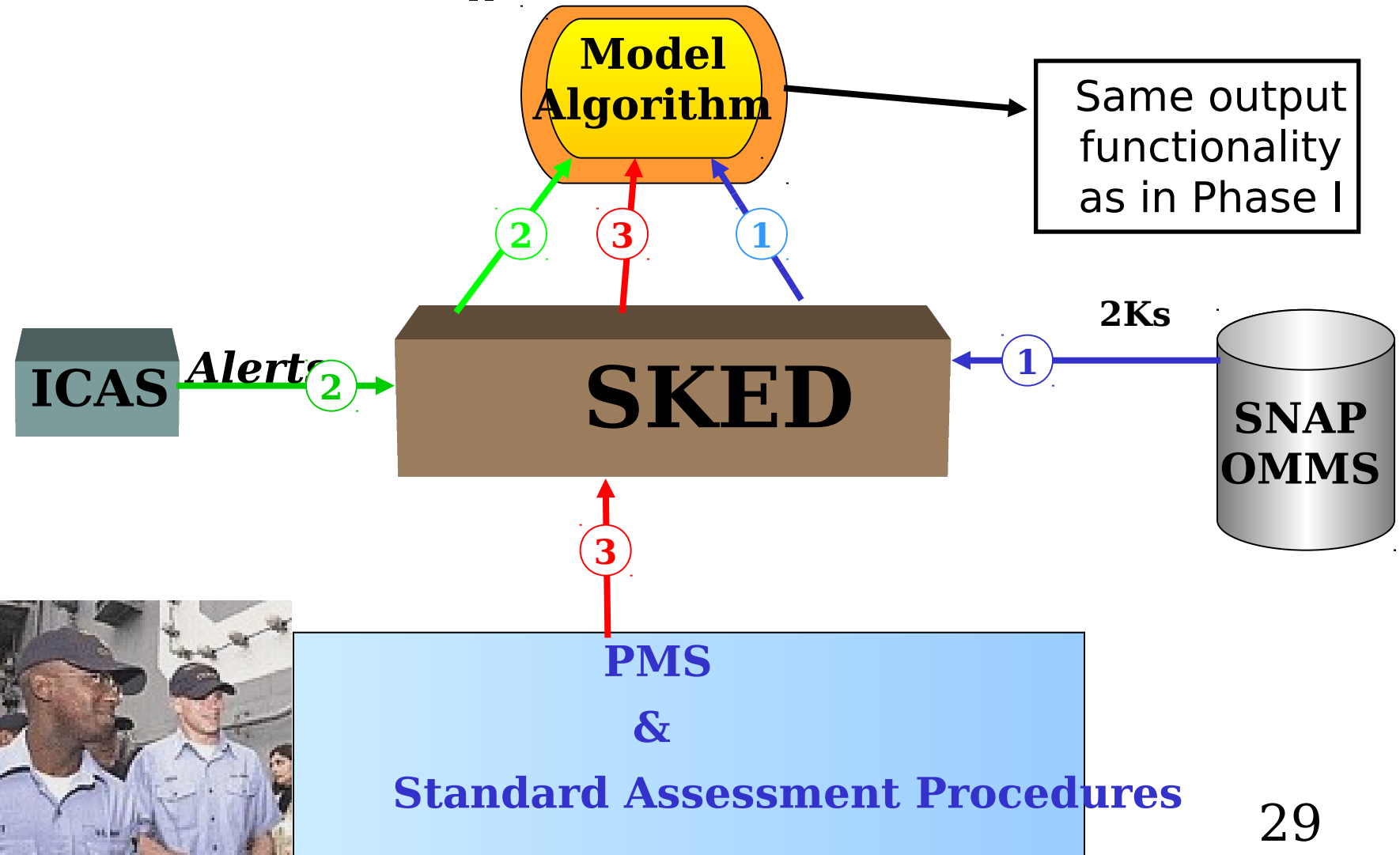
MCM Prototype Phase II

Paperless Logs

- The model receiving input from ICAS, PMS, and 2K streams
- Desktop test completed in October 2003
- Limiting factor is quality of the CSMP data

MCM Prototype Phase II - Paperless Logs

Additional inputs to the Model in Phase II



Ship Material Condition Model

MCM Prototype Phase III

Availability Planning Tool

SMC MODEL AVAILBILITY PLANNING TOOL

- SMC Model can assist Port Engineer in selecting / prioritizing the work package candidates
 - Allows for alignment with Ship's missions
 - Shows mission area impact for each work item
- Following example based on:
 - MCM with a quarterly availability
 - 50 work items from CSMP
 - Work items cover 30 different equipments

| JSN | APL | EIC | EIC_DESC | NARR |
|-----------|-----------------|---------|------------------|---|
| DA01-0678 | 0-008110035 | N181000 | AEL MECH MS EQPT | MINESWEEPING BRIDLE CHAINS ARE DETERIORATING DUE TO NORMAL WEAR AND TEAR DURING MINESWEEPING OPERATIONS XXX REQUEST DEPOT ACTIVITY REMOVE (3) BRIDLES FROM SHIP, PROPERLY PREPARE, PAINT IN BLACK, AND RETURN TO SHIP DURING PMA. |
| DA01-A034 | XSSTRUCTM03 | A601000 | 02 LEVEL SUPERST | PER SEMAT II - THE LONGL BULKHEAD AT FR 38 (S) HAS A HOLE IN IT 72 INCHES ABOVE THE DECK. XXX REPAIR ACTIVITY REPAIR HOLE IN BHD IAW MANUAL FOR STRUCTURAL REPAIR OF MCM-1 CLASS SHIPS (S9100-AD-MMA-010/MCM-1 CLASS CHAPTER 15). DEADLINE DATE: 15 AUG 200 |
| EA01-0731 | 043020337 | T400000 | A/C PLANT 1 COND | NR 1 A/C CONDENSER REQUIRES ACID WASHING. XXX REQUEST DEPOT ASSIST ACID FLUSH A/C CONDENSER FOR POST-DEPLOYMENT |
| EA01-0733 | 043020338 | T503000 | REFER NO.1 COND | #1 REEFER CONDENSER REQUIRES ACID FLUSHING. XXX REQUEST DEPOT ASSIST ACID FLUSH CONDENSER DURING NEXT AVAILABILITY PERIOD |
| EA01-0786 | 060950262 | T400000 | A/C PLANT 2 CPRS | NR 2 A/C COMPRESSOR FAILS VIBRATION ANALYSIS. XXX DEPOT OVERHAUL DURING FY03 PMA. |
| EA01-0787 | 060950263 | T503000 | REFRIGERATION CO | NR1 REEFER COMPRESSOR REQUIRES OVERHAUL. XXX SIMA PERFROM OVERHAUL DURING FY03 FMAV PRIOR TO PMA. |
| EA01-0790 | 016032675 | B901000 | NR 2 ASW PUMP | NR 2 ASW PUMP REQUIRES OVERHAUL. XXX DEPOT PERFROM OVERHAUL DURING FY03 PMA. |
| EA01-0791 | 619010250 | T801000 | FIRE PUMP NO 1 | NR 1 FIRE AND FLUSHING PUMP REQUIRES OVERHAUL. XXX REQUEST SIMA TO OVERHAUL DURING CONCURRENT FMAV FY 03. |
| EA01-0796 | XCOMPARTMN T | U000000 | STEERING GEAR RO | NITROGEN BOTTLES ARE NOT MOUNTED WITH RESILIENT BRACKETS XXX REQUEST IMA TO MANUFACTURE AND INSTALL RESILENT GRADE "B" SHOCK MOUNTED BRACKETS. |

SMC MODEL AVAILABILITY PLANNING TOOL

- With all the work candidates loaded SMC Model displays the mission impact:

| ASU | C2W | CCC | FSO | INT | LOG | MIW | MOB | MOS | |
|------|------|------|------|------|------|------|------|------|------|
| 0.71 | 0.98 | 0.75 | 0.64 | 0.68 | 0.88 | 0.65 | 0.58 | 0.85 | 0.69 |

- To a Port Engineer the top of the priority list is obvious

| JSN | EIC_DESC | ASU | C2W | CCC | FSO | INT | LOG | MIW | MOB | MOS | NCO |
|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| EM01-1850 | STBD MAIN REDUCT | 0.072067 | 0.000000 | 0.000000 | 0.066021 | 0.070983 | 0.000000 | 0.036158 | 0.063660 | 0.000000 | 0.071355 |
| EM01-1891 | MN PRPLN DENG 1B | 0.027673 | 0.000000 | 0.000000 | 0.024553 | 0.026646 | 0.000000 | 0.022506 | 0.023897 | 0.000000 | 0.026786 |
| EM01-1985 | RDCN GEAR STBY P | 0.018977 | 0.000000 | 0.000000 | 0.022857 | 0.024488 | 0.000000 | 0.023369 | 0.021962 | 0.000000 | 0.024617 |
| EM02-1294 | SW SPLX STRAINER | 0.010844 | 0.000000 | 0.000000 | 0.013061 | 0.013993 | 0.000000 | 0.013354 | 0.012549 | 0.000000 | 0.014067 |
| EA01-0787 | REFRIGERATION CO | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.012488 | 0.000000 | 0.000000 |
| EA01-0790 | NR 2 ASW PUMP | 0.008133 | 0.000702 | 0.001303 | 0.009796 | 0.010495 | 0.048145 | 0.010016 | 0.009412 | 0.045833 | 0.010550 |
| EA01-0734 | REFER NO.2 COND | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.006244 | 0.000000 | 0.000000 |
| OA01-0857 | SHIPS DISTANCE I | 0.007736 | 0.000000 | 0.000000 | 0.011658 | 0.000000 | 0.000000 | 0.004700 | 0.005492 | 0.000000 | 0.000000 |
| EM02-1344 | MEDIUM PRESSURE | 0.002711 | 0.002105 | 0.000434 | 0.003265 | 0.003498 | 0.016575 | 0.003339 | 0.003137 | 0.016000 | 0.003517 |

SMC MODEL AVAILABILITY PLANNING TOOL

- The Port Engineer can use the SMC Model to see what jobs will have the most impact on the mission assigned to the ship.
 - He can see the impact each job has on every mission area
- For example:
 - The priority of these items for a ship assigned Intel Ops is

| JSN | EIC_DESC | MIW |
|-----------|------------------|----------|
| EM01-1850 | STBD MAIN REDUCT | 0.036158 |
| EM01-1793 | MN PRPLN DENG 1B | 0.022506 |
| EM01-1985 | RDCN GEAR STBY P | 0.023369 |
| EM02-1294 | SW SPLX STRAINER | 0.013354 |
| EA01-0790 | NR 2 ASW PUMP | 0.010016 |
| OA0-10857 | UWTR LOG | 0.004700 |
| EM02-1344 | MP AIR COMP NO 2 | 0.003339 |
| EE01-2274 | OUTSIDE ELECTRIC | 0.000406 |
| EM02-1296 | 1A SSDG | 0.000355 |
| EM02-1295 | 1B SSDG | 0.000237 |
| EE01-R026 | 400HZ MOTOR GENE | 0.000119 |
| EA01-0796 | STEERING GEAR RO | 0.000107 |
| OA01-0845 | TB-30C/SQQ-32(V) | 0.022616 |
| OA01-0763 | VEH HDLG SYS SLQ | 0.008481 |
| DA01-0677 | AEL MECH MS EQPT | 0.007068 |
| DA01-0678 | AEL MECH MS EQPT | 0.007068 |

assigned

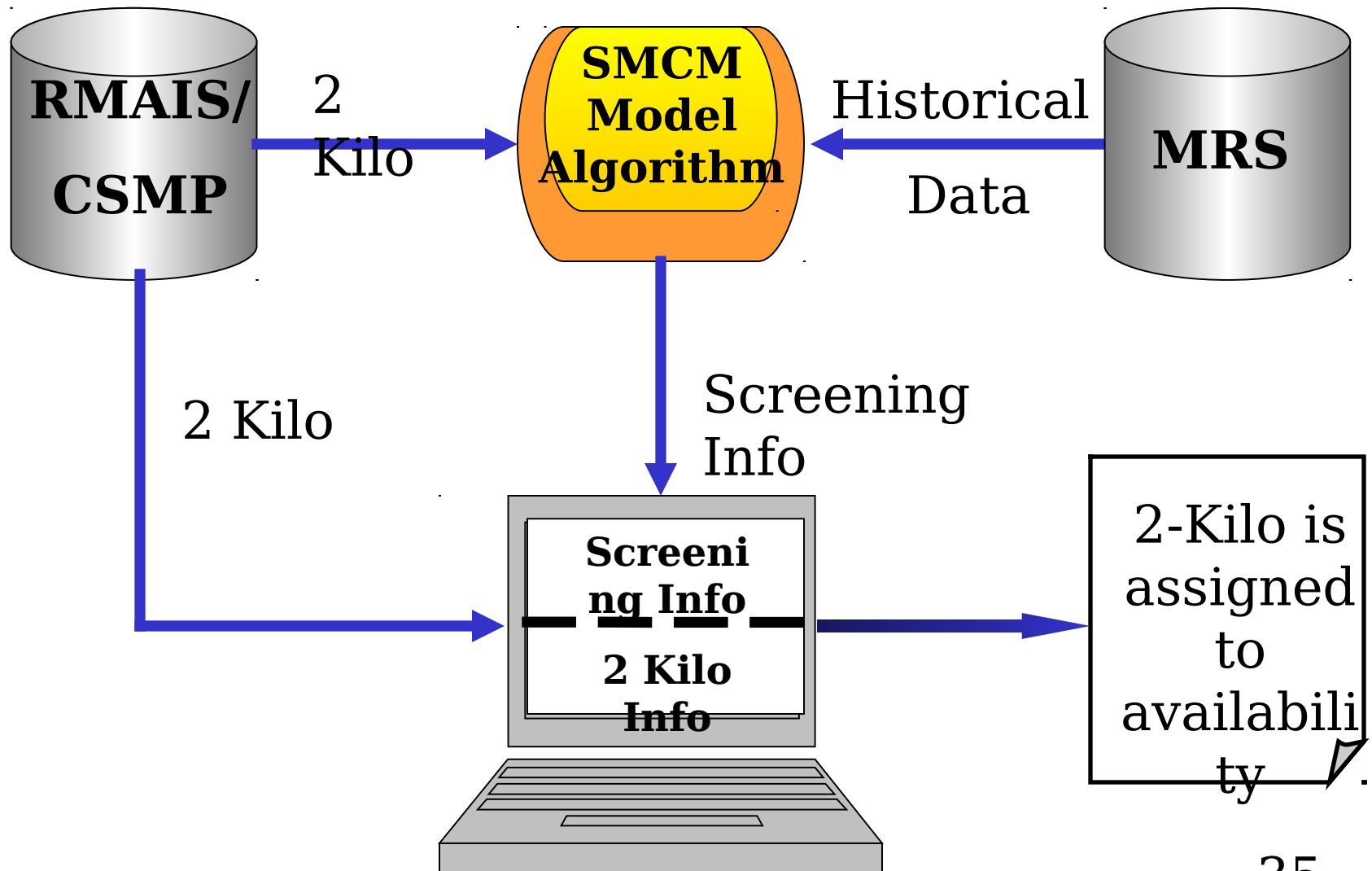
| JSN | EIC_DESC | INT |
|-----------|------------------|----------|
| EM01-1850 | STBD MAIN REDUCT | 0.070983 |
| EM01-1793 | MN PRPLN DENG 1B | 0.026646 |
| EM01-1985 | RDCN GEAR STBY P | 0.024488 |
| EM02-1294 | SW SPLX STRAINER | 0.013993 |
| EA01-0790 | NR 2 ASW PUMP | 0.010495 |
| EA01-0796 | STEERING GEAR RO | 0.008813 |
| EE01-2274 | OUTSIDE ELECTRIC | 0.004203 |
| EM02-1296 | 1A SSDG | 0.003966 |
| EM02-1344 | MP AIR COMP NO 2 | 0.003498 |
| EM02-1295 | 1B SSDG | 0.002644 |
| EE01-R026 | 400HZ MOTOR GENE | 0.001322 |



SMC MODEL AVAILABILITY PLANNING TOOL

- 2Killos can be screened through the incorporation of the Figure of Merit Module within the current Port Engineers Maintenance Support Tool - MST.
- With 2 Kilo and Historical data from the RAMIS and MRS data bases, the Figure of Merit Module uses the Ship Material Condition Metrics Model Algorithm to provide ship specific information.
- The MST program displays both the 2 Kilo and calculated Screening Information.

Screening Process Data Flow Using Ship Material Condition Metrics



Screening Process Data Flow Using Ship Material Condition Metrics

Screening Info

2 Kilo Info

MRS Historical Information

Cost = ##### Time =
#####

Current Industrial Mandates Index = #.2
0 to 1 Assignment = Ind IMA Tech

Current Availabilities

with Assigned Work and Impact

Avail = #####
Budget \$ = #####
Current Screened = #####
Budget MD = #####
Current Screened MD = #####
Duration Time = #####
Current Screened Time = #####
MCIV Improvement = 0 - 1

